

Recommended Modules for Incoming Mobility Students at BSc Biology and Biomedicine, UZH

Fall semester	Number	ECTS Credits	Title	Language, Details
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in English

	Monday	Tuesday	Wednesday	Thursday	Friday
08-09 h		BIO390 / PHY118 / INI415	BIO133	BME236 / INI401	
09-10 h					
10-11 h	BIO336	BIO280 / UWW153		BIO228	BIO115
11-12 h					
12-13 h					AST201
13-14 h	AST201	BIO134 (or Thursday)			
14-15 h					
15-16 h	PHY118			UWW152	
16-17 h					
17-18 h			INI410		

(partly) in German

	Monday	Tuesday	Wednesday	Thursday	Friday
08-09 h	BIO111	BME235	BIO111		BIO132
09-10 h					
10-11 h	BME235		BIO131		BIO131, BIO113
11-12 h					
12-13 h					
13-14 h					
14-15 h			BIO131 Pract, 4 afternoons total		BIO111 Pract, 5 afternoons total
15-16 h					
16-17 h					
17-18 h					

	Monday	Tuesday	Wednesday	Thursday	Friday
08-09 h	advanced lectures	advanced lectures			
09-10 h					
10-11 h					
11-12 h					
12-13 h					
13-14 h					
14-15 h					
15-16 h					
16-17 h					
17-18 h					

**Recommended:**

BIO 115	2	Human Evolution	E, exam in january
BIO 133	3	Evolutionary Anthropology	E, exam in january
BIO 134	5	Programming in Biology	E, exam in january
BIO 228	2	Evolutionary Medicine	E, mid term exam, final exam in december
BIO 280	2	Animal Domestication	E, exam in december
BIO 336	2	From DNA to Diversity: evolution of multicellular organi	E, exam in december
BIO 390	3	Introduction to Bioinformatics	E, exam in december
BME 236	3	Biomedicine I	E, exam in february
PHY 118	5	Physics for Natural Sciences I	E, exam in january
INI 401	6	Introduction to Neuoinformatics	E, register via ETH
INI 410	3	Consciousness: from philosophy to neurons	E
INI 415	6	Systems Neuroscience	E
AST 201	5	Introduction to Astrobiology	E, exam in january
UWW 152	2	Ecohealth	E
UWW 153	3	Global Environmental History	E

<i>BIO 111</i>	5	<i>Molekulare und klassische Genetik</i>	<i>partly German, exam English, exam in january</i>
<i>BIO 113</i>	5	<i>Evolution und Biodiversität I</i>	<i>mostly German, exam in january</i>
<i>BIO 131</i>	4	<i>Form und Funktion der Pflanzen</i>	<i>mostly German, exam in january</i>
<i>BIO 132</i>	3	<i>Mikrobiologie, Immunologie, Virologie</i>	<i>partly German, exam in january</i>
<i>BME 235</i>	5	<i>Physiologie und Anatomie I</i>	<i>mostly German, exam in february</i>

**Advanced lectures**

BIO 201	3	Primate Evolutionary Biology	E, Monday 14-16
BIO 215	2	Evolution of Human Behaviour	E, Monday 12-14
BIO 242	3	Translational Cancer Research	E, Monday 13-15
BIO 243	3	Epigenetics	E, Monday 15-17
BIO 257	3	Cancer and the Immune System	E, Tuesday 10-12
BIO 257	3	DNA Metabolism and Cancer	E, Monday 10-12
BIO 297	3	Social Behaviour of Bacteria	E, Monday 16-18
BIO 331	2	Frontiers in Animal Behaviour	E, Monday 10-12
BIO 333	1	Comparative Physiology and Pharmacology of Sleep	E, Monday 12-13
BIO 337	3	Freshwater Environmental and Ecosystem Modeling	E, Tuesday 8-10
BIO 344	3	Development of the Nervous System	E, Monday 8-10, exam in january
BIO 386	3	Sociobiology of Communication	E, Tuesday 8-10
BIO 416	3	Microscopy	E, Tuesday 10-12
BIO 437	3	Human Adaptation	E, Tuesday 10-12
BIO 615	3	Virology	E, Monday 8-10, exam in january
BME 317	3	Metabolism and Nutrition	E, Monday 15-17
BME 322	3	Molecular and Cellular Neurobiology	E, Monday 13-15
BME 324	2	Human Toxicology	E, Monday 15-17

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Spring semester	Number	ECTS Credits	Title	Language, Details
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in English

	Monday	Tuesday	Wednesday	Thursday	Friday	
08-09 h	BIO354	BIO295	BIO141 / BME 348	BIO123 / BIO125		
09-10 h						
10-11 h		STA120 / BIO148 /		UWW183	BIO141	
11-12 h						
12-13 h		STA120			AST202	
13-14 h	BIO144	ESC403	BIO141 pract, 2 afternoons total	ESC403	BIO144 exercises	
14-15 h						
15-16 h	BME246	AST202				
16-17 h						
17-18 h						

(partly) in German

	Monday	Tuesday	Wednesday	Thursday	Friday	
08-09 h					BIO143	
09-10 h						
10-11 h		BIO124		BIO122 / BME245		
11-12 h						
12-13 h						
13-14 h	BME245		BIO143 pract, 2 afternoons total	BIO122 pract, 4 afternoons total		
14-15 h						
15-16 h						
16-17 h						
17-18 h						

	Monday	Tuesday	Wednesday	Thursday	Friday	
08-09 h	advanced lectures	advanced lectures				
09-10 h						
10-11 h						
11-12 h						
12-13 h						
13-14 h				ESC401		ESC401
14-15 h						
15-16 h						
16-17 h						
17-18 h						

**Recommended:**

BIO 123	3	Quantitative and Molecular Systems Biology	E, exam in june
BIO 125	3	Development of Multicellular Systems	E, exam in june
BIO 141	4	Ecology	E, exam in june
BIO 144	5	Data Analysis in Biology	E, exam in june
BIO 148	3	Paleontology	E, exam in may
BIO 295	3	Agroecology, Food Security and Sustainable Production	E, exam in may
BIO 354	2	Zoo Biology	E, exam in may
BME 246	3	Biomedicine II	E, exam in june
BME 248	3	Basics in Immunology	E, exam in june
STA 120	5	Introduction to Statistics	E, exam in june
AST 202	5	The Universe: Contents, Origin, Evolution and Future	E
UWW 183	3	Conservation Ecology	E, exam in may
ESC 403	6	Introduction to Data Science	E, requires Python basics

BIO 122	3	<i>Verhaltensbiologie</i>	<i>partly in German, exam in june</i>
BIO 124	2	<i>Ethik und Theorie der Biologie</i>	<i>German, exam in june</i>
BIO 143	3	<i>Neurobiologie</i>	<i>German, exam in june</i>
BME 245	5	<i>Physiologie und Anatomie II</i>	<i>mostly German, exam in june</i>

**Advanced lectures**

BIO 216	3	Primate Origins of Human Sociality, Cognition and Minc	E, Monday 10-12
BIO 265	2	Evolution and Paleobiology of Plants	E, Monday 10-12
BIO 312	2	Integrated Species Conservation and Management	E, Monday 10-12
BIO 340	3	Biology of Marine Mammals	E, Tuesday 10-12
BIO 342	3	Comparative Behavioural Neuroscience	E, Tuesday 8-10
BIO 347	3	Concepts in Developmental Biology	E, Monday 10-12
BIO 364	3	The Physics of Life	E, Monday 13-15
BIO 388	2	Human Genetics	E, Monday 14-16
BIO 389	3	Clinical Neuroscience	E, Monday 8-10
BIO 398	2	Research Ethics for Life Sciences (Seminar)	E, Monday 14-16
BIO 433	3	Biology of Cancer Treatment	E, Monday 14-16
BME 318	2	Clinical Epidemiology	E, Monday 13-15
BME 320	1	Forensic Genetics	E, Monday 9-10
BME 327	3	Current Approaches in Single Cell Analysis	E, Tuesday 10-12
BME 335	2	Regenerative Medicine and Tissue Engineering	E, Monday 8-10
ESC 401	6	High Performance Computing	E, requires Programming basics